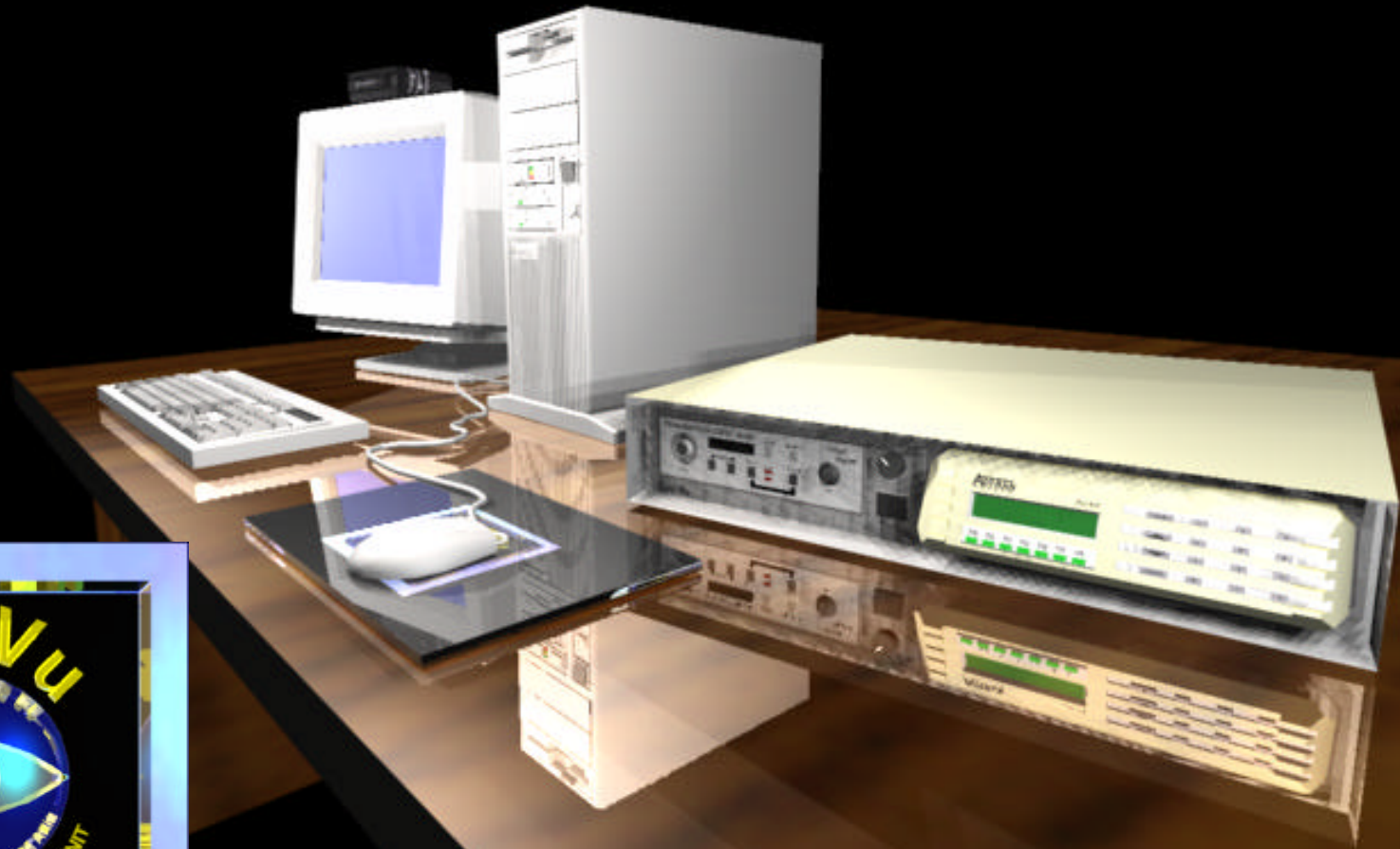


SecVu

Secure Video Interface Unit



ISDN BRI

(Integrated Services Digital Network)

- *Effectively provides dial up digital communications via the commercial telephone service.*
- *Uses up to 6 bearer channels for a total 384Kbps throughput in-secure mode.*
- *Uses 2 bearer channels for 128Kbps in non-secure mode. (Soon to be 384Kbps)*
- *User friendly voice and data communications easy as dialing a telephone.*

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FTS-2000

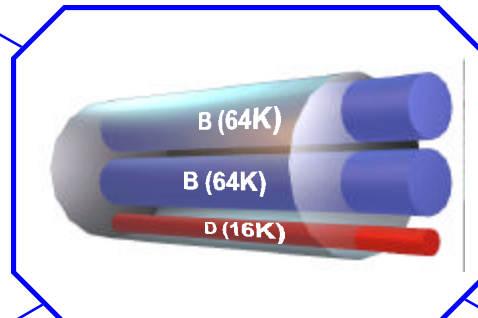
- *Provides effective government networking, for dial up voice and data communications.*
- *Compatible with commercial ISDN protocol.*
- *Can provide network connectivity to commercial ISDN.*

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ISDN and FTS-2000 usage



ISDN / FTS-2000



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Secure Video Interface Unit - Capabilities

- *Provides point-to-point secure interfacing from desktop-to-desktop.*
- *Interfaces and encrypts classified video teleconferencing data for use with ISDN or FTS-2000 networks.*
- *Provides dialing capabilities via front panel controls.*
- *Uses NSA Approved KIV-7 Cryptographic Security Device.*

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Secure Video Interface Unit - Capabilities

- *Secure / Nonsecure operation.*
- *Interfaces RS-449 to “U” or “ST” - interface in Secure mode.*
- *Interfaces S/T to U - interface in Nonsecure mode.*
- *Requires only one 110VAC power source to power all internal devices.*

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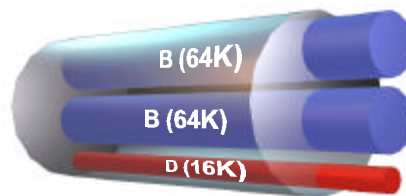
Secure Video Interface Unit - Capabilities



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ISDN / FTS-2000



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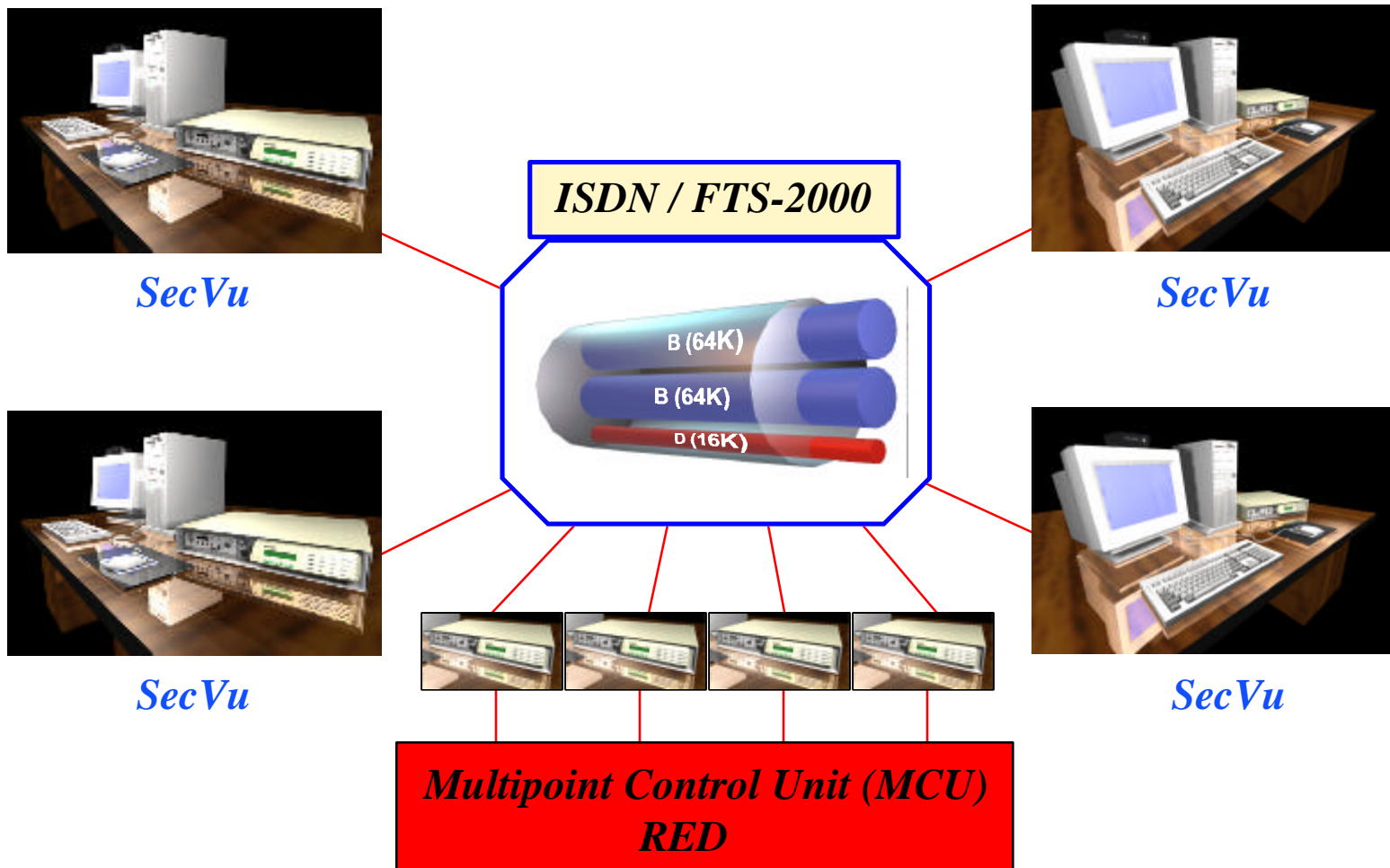
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Secure Video Interface Unit - Capabilities



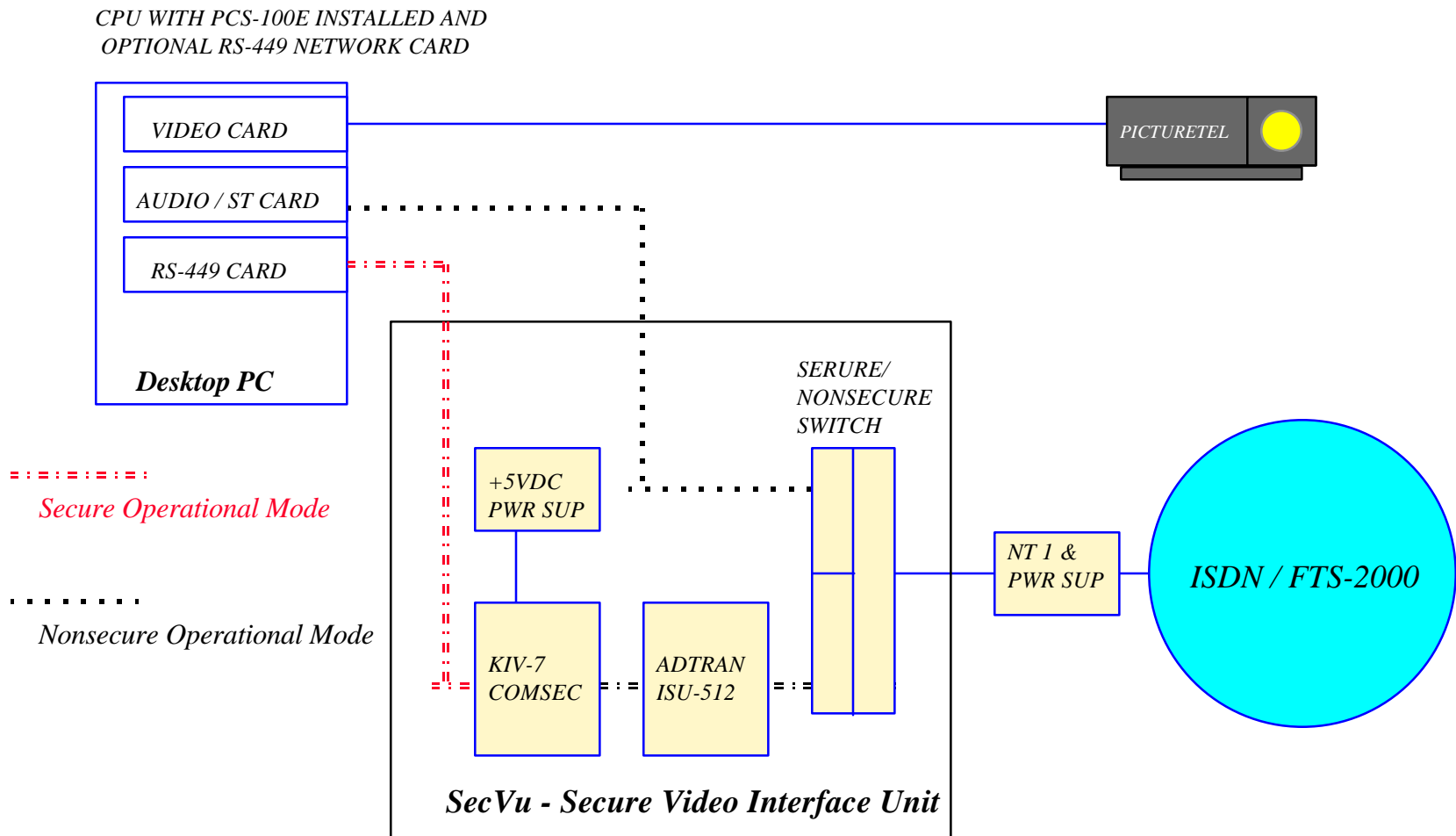
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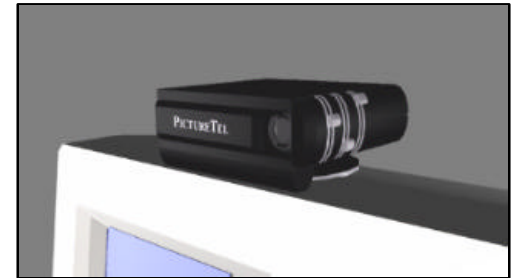
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Secure Video Interface Unit - Block Diagram



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SecVu Equipment Focus - PictureTel PCS-100



- *PCS-100E includes software, camera, speaker phone set, and Video / S/T network interface cards.*
- *SecVu requires optional RS-449 network interface card and cabling.*
- *Complete system requires 3 ISA or EISA card slots.*

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SecVu Equipment Focus - KIV-7 COMSEC Device



- *NSAapproved Type 1 COMSEC device.*
- *Compact, economical, and high performance.*
- *KIV-7 maximum data rate of 512Kbps KIV-7HS maximum data rate of T-1.*
- *Removable Crypto Ignition Key (CIK) when co-located with KIV-7, KIV-7 loses CCI status and achieves loaded COMSEC status.*

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SecVu Equipment Focus - Adtran ISU-512 (Secure Mode)



- *Interfaces Black RS-530 from KIV-7 to ISDN S/T or U interface.*
- *Provides user dialing capability from the front panel.*
- *Connects incoming calls.*
- *Allows user to disconnect call from terminal when call is complete.*

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ADP Responsibility

- *System requires 2 independent removable hard drives, marked and operated as Classified and Unclassified.*
- *Complete operating system is required to be loaded on both hard drives.*
- *No internal hard drives.*
- *User must maintain the classification of data that is being processed.*

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COMSEC Responsibility

- *User must ensure classification of data being processed is not above that of the hard drive.*
- *User must safeguard KIV-7 and classified hard drives.*
- *When system is not in use, KIV-7's CIK should be removed and safeguarded.*
- *User must ensure the proper periodic keymat is loaded.*

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ISDN Connectivity for Ships/Remote Sites

- *Successful throughput of BRI Lines through Timeplex tested at NISE East Charleston DET Norfolk*
- *320KBPS of satellite bandwidth needed for 2 BRI lines. Giving capability of two 128KBPS VTC simultaneously or one 256KBPS*
- *Testing being conducted on DNE single BRI units for cost effective ISDN capability through FCC-100*



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